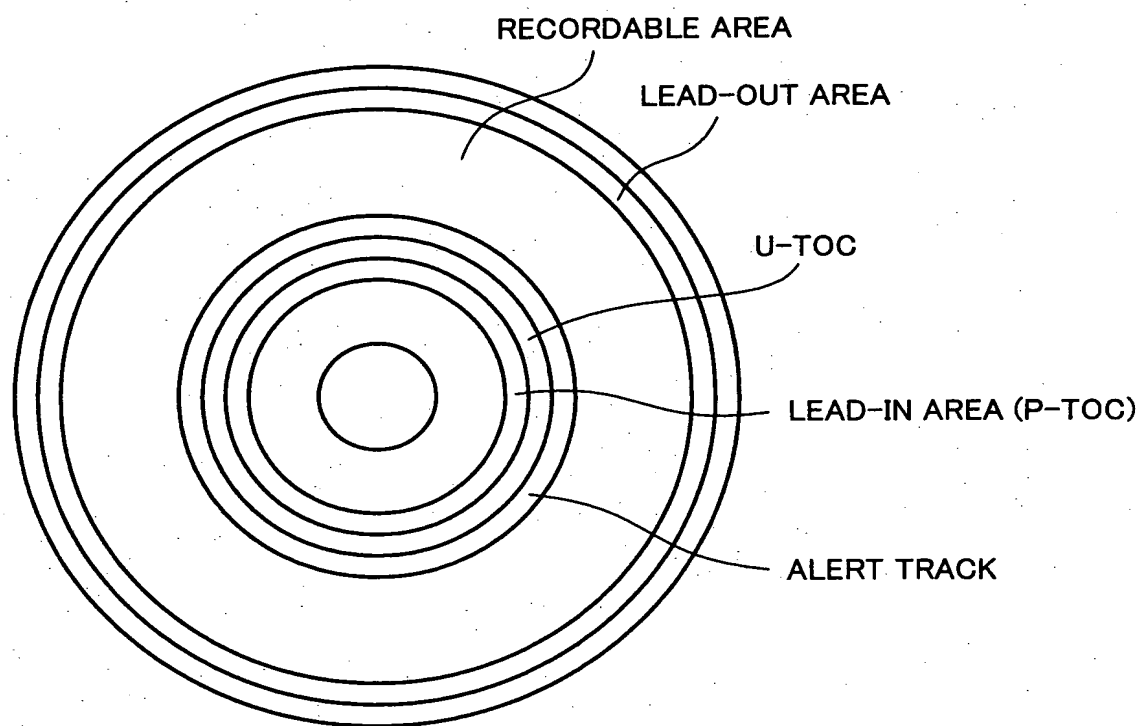


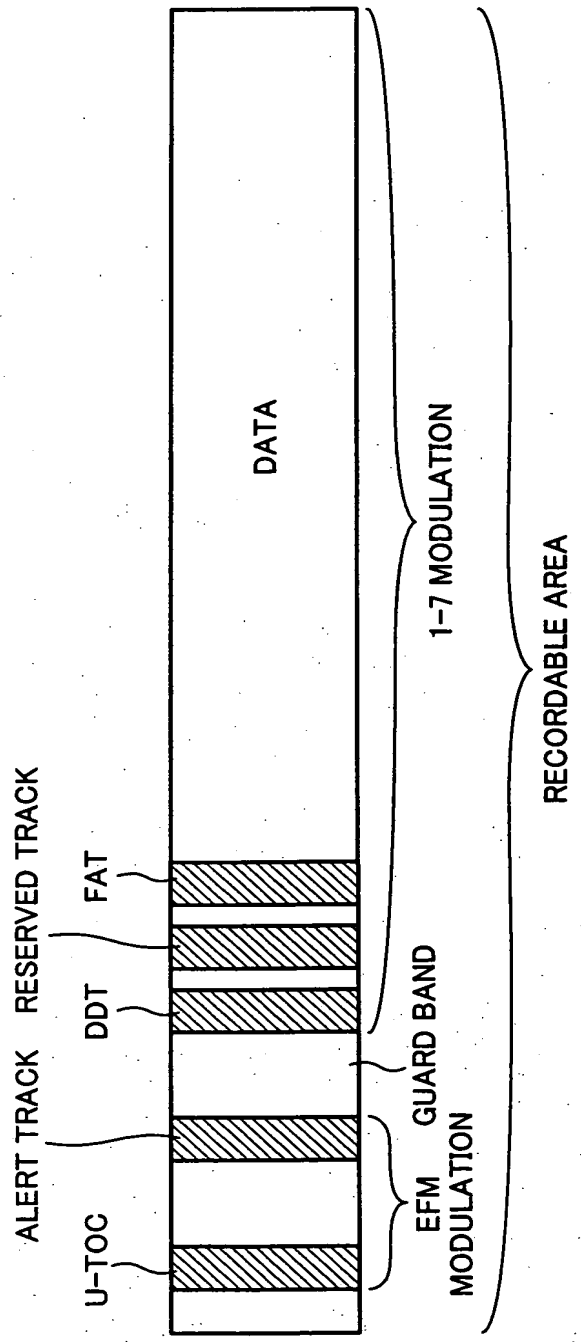
10/520253

Fig. 1

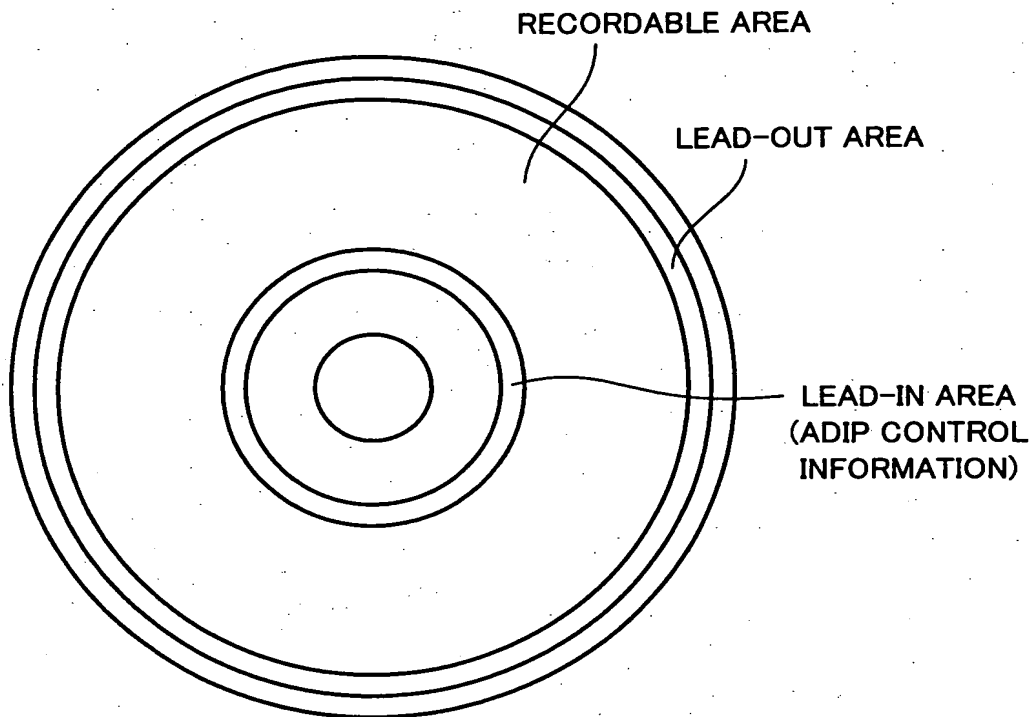
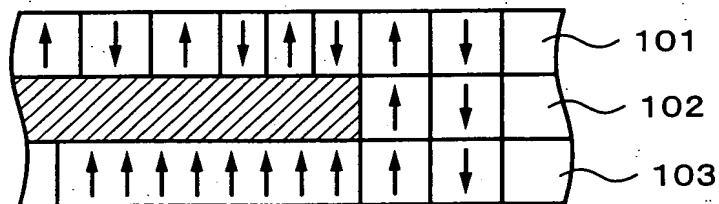


10/520253

Fig. 2



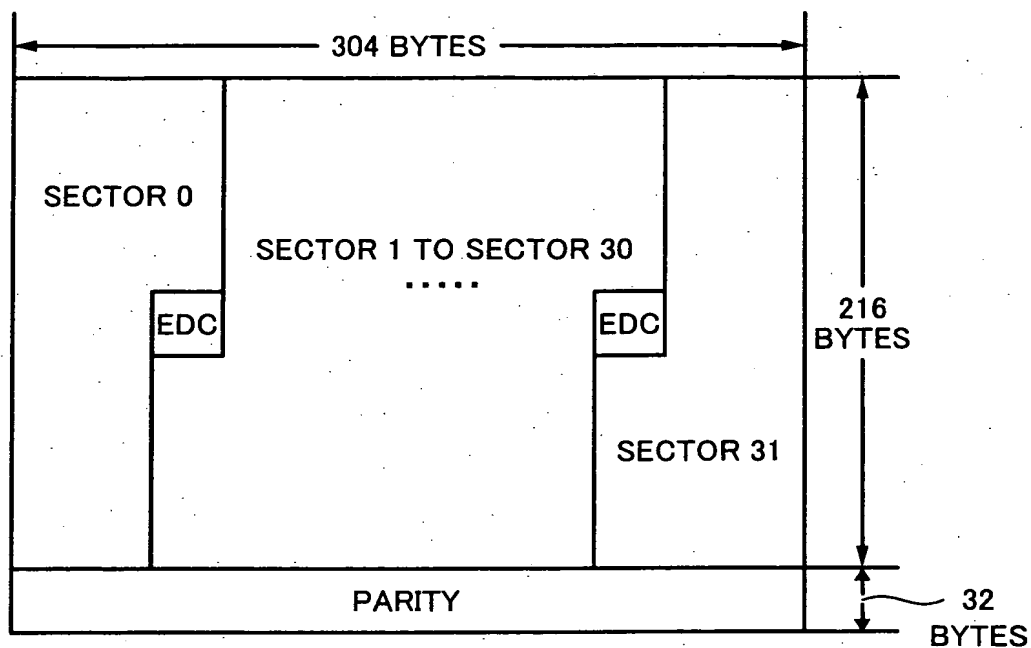
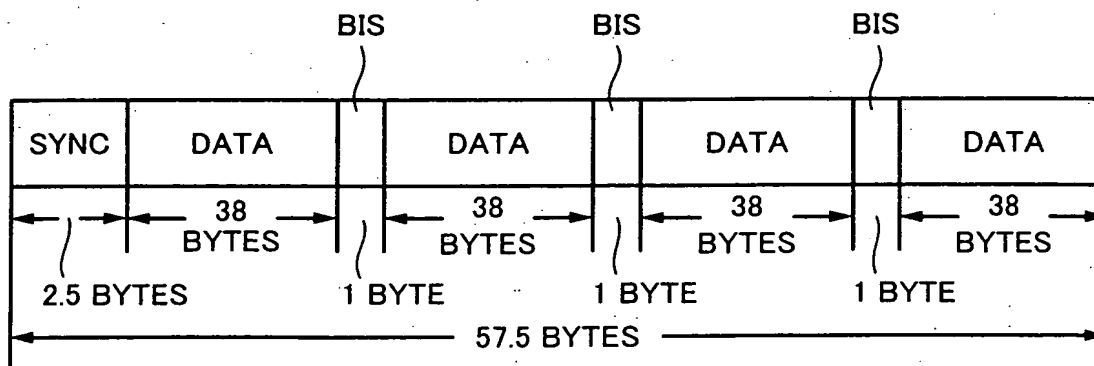
10/520253

Fig. 3A**Fig. 3B**

← MOVING DIRECTION OF
MAGNETIC WALL

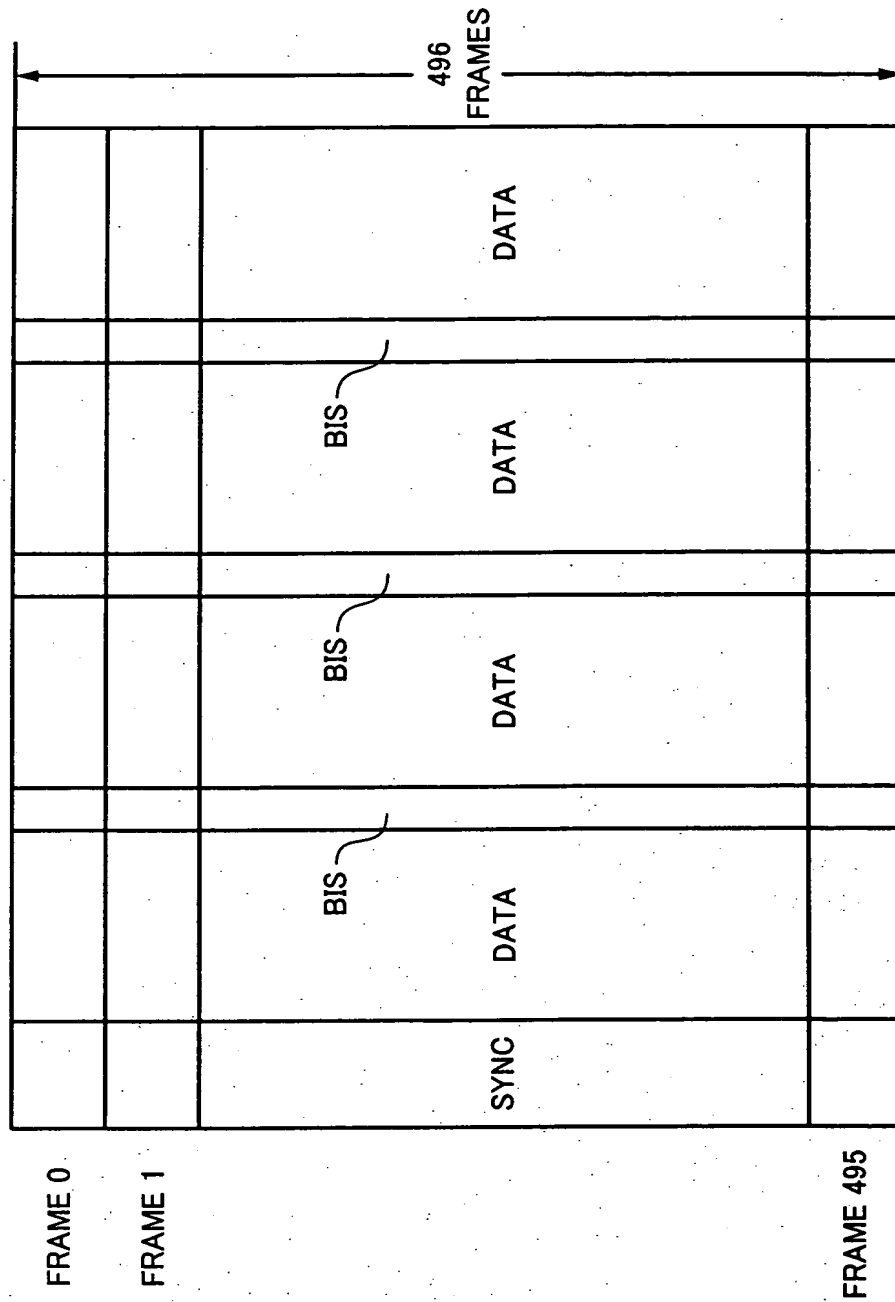


10/520257

Fig. 6**Fig. 7**

520253

Fig. 8



10/520253

Fig. 10

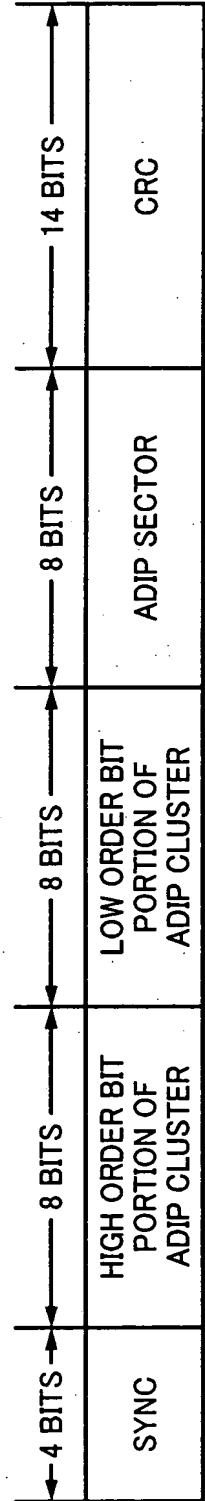
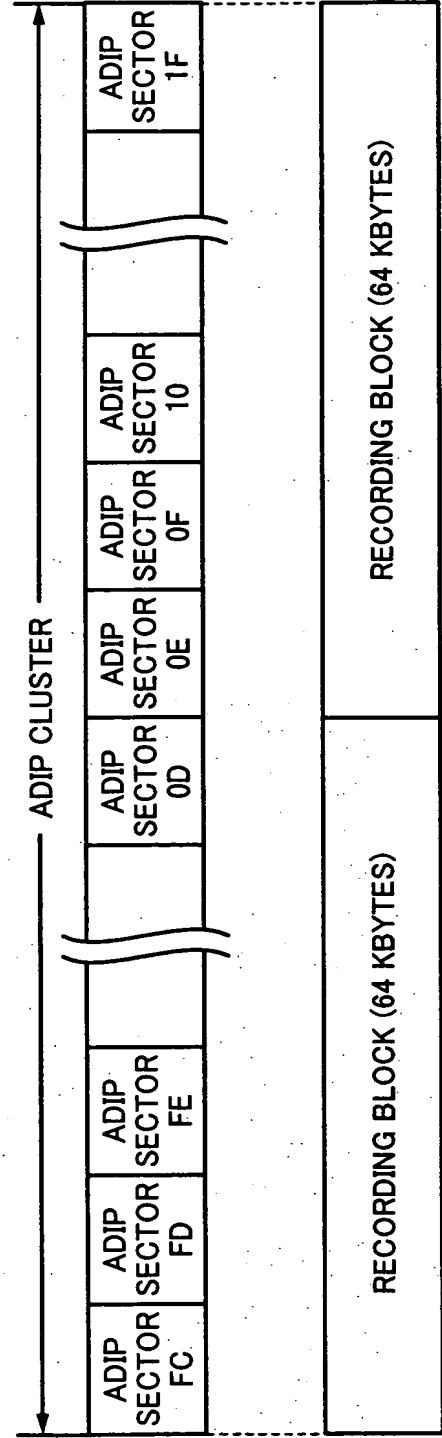
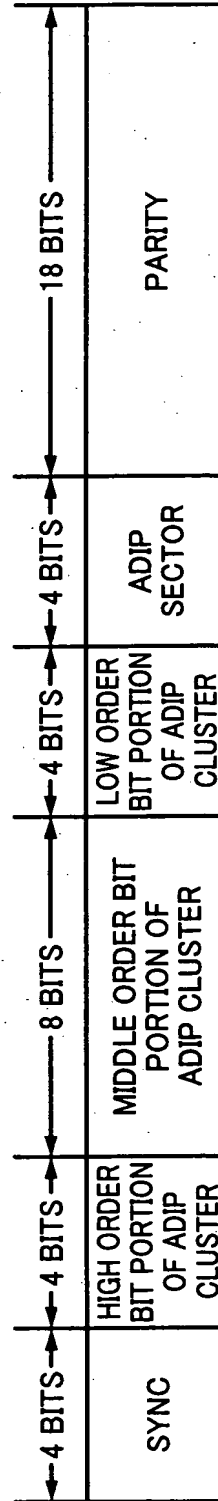


Fig. 11

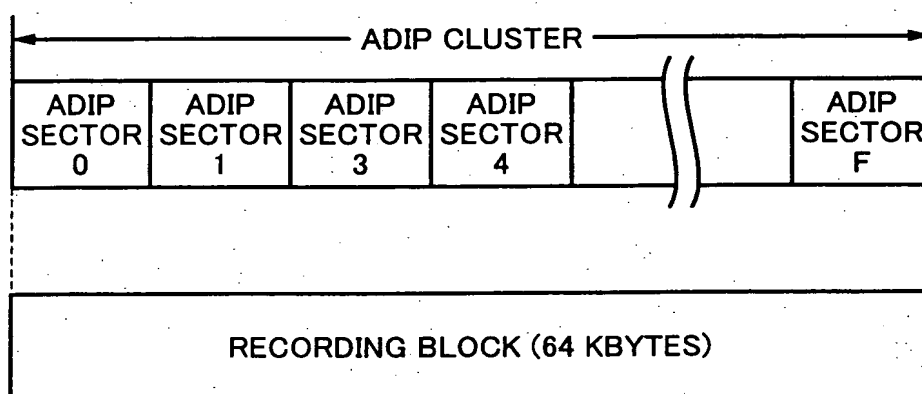


10/520253

Fig. 12

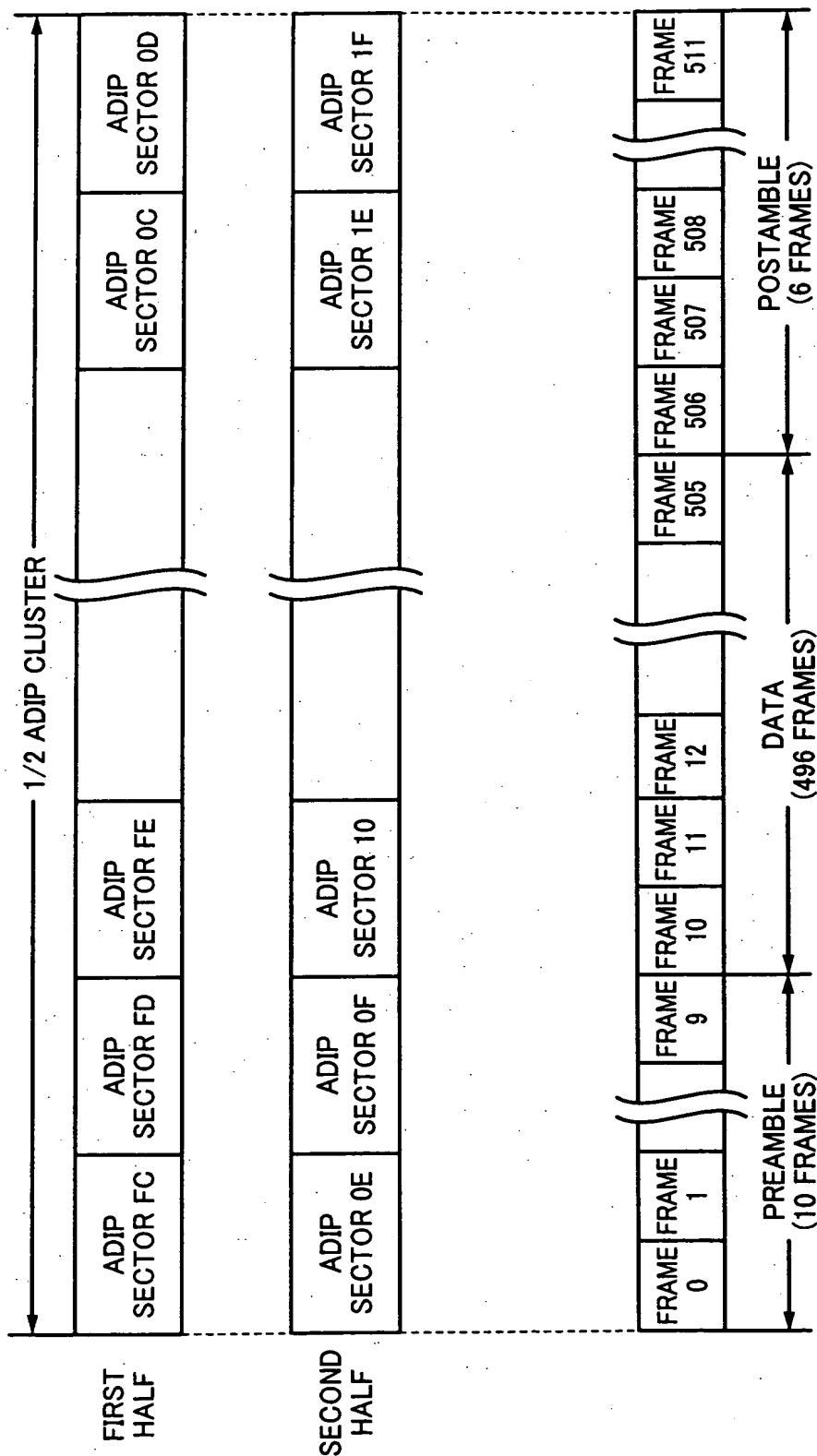


10/520253

Fig. 13

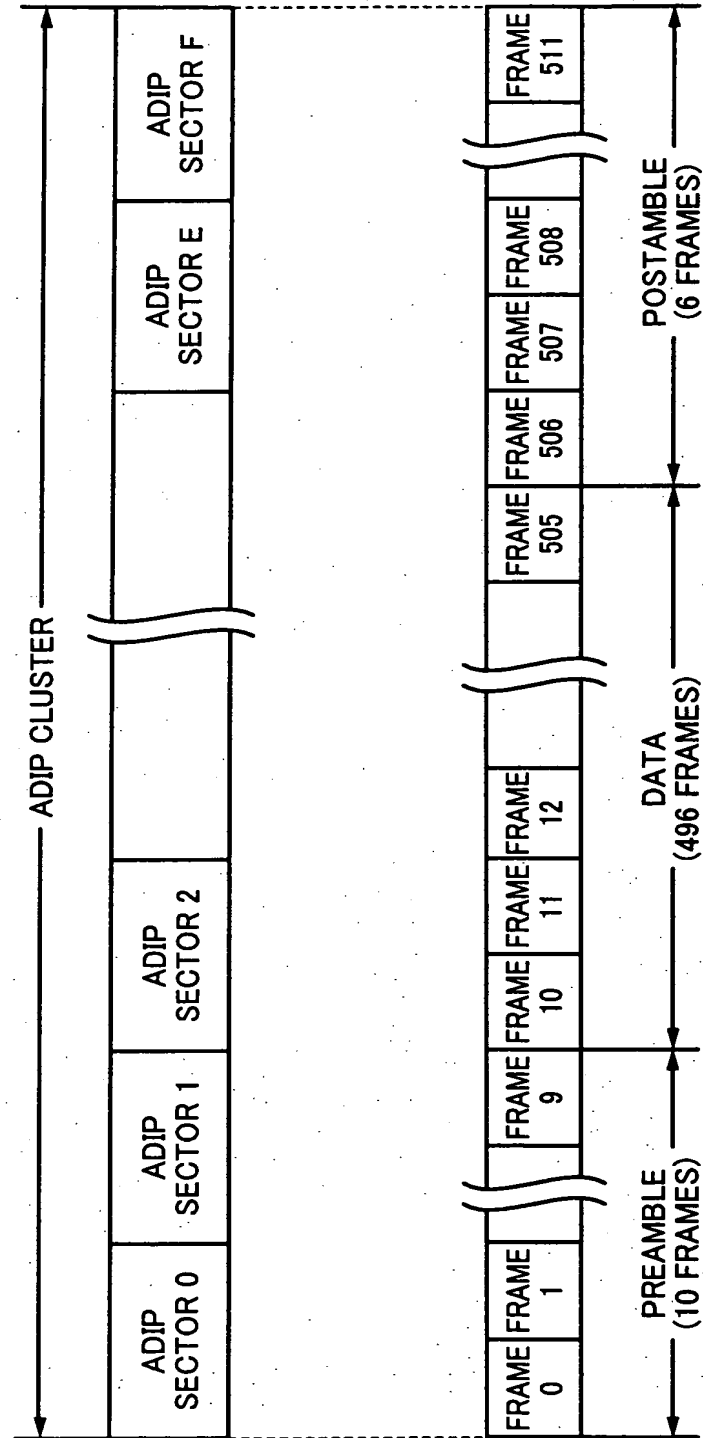
10/520253

Fig. 14



104520-150

Fig. 15



10/520253

Fig. 16

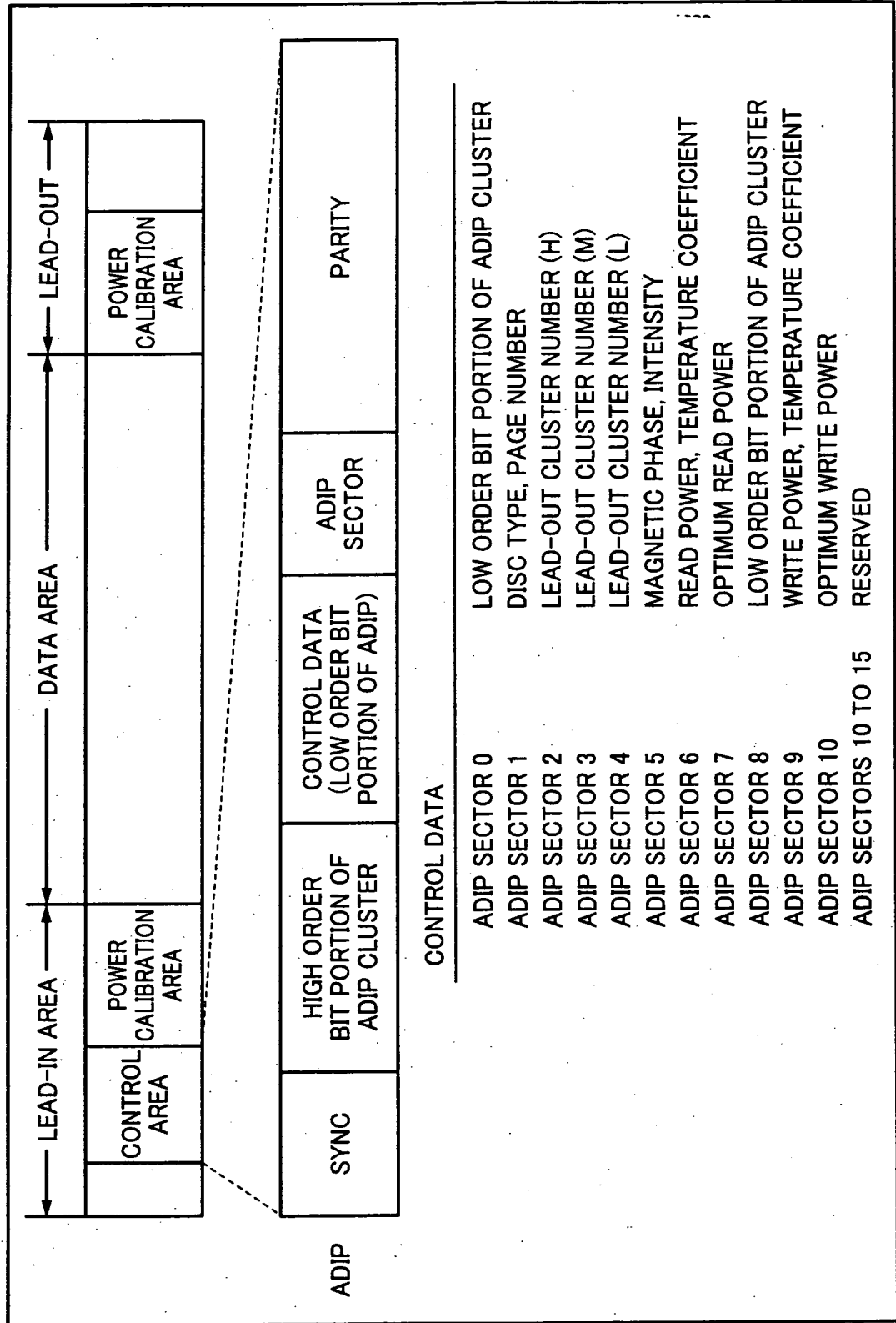
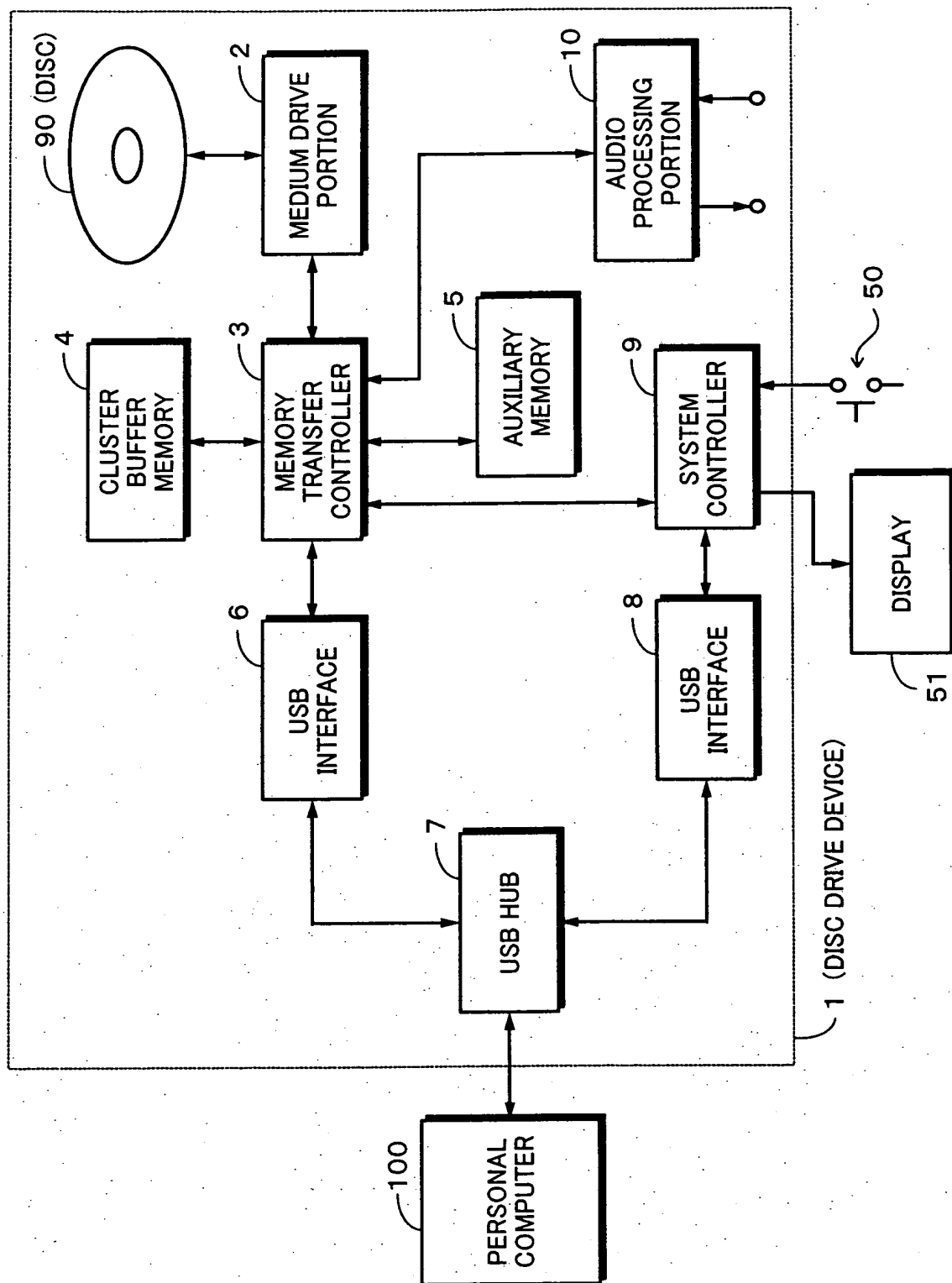


Fig. 17



10/520253

Fig. 18

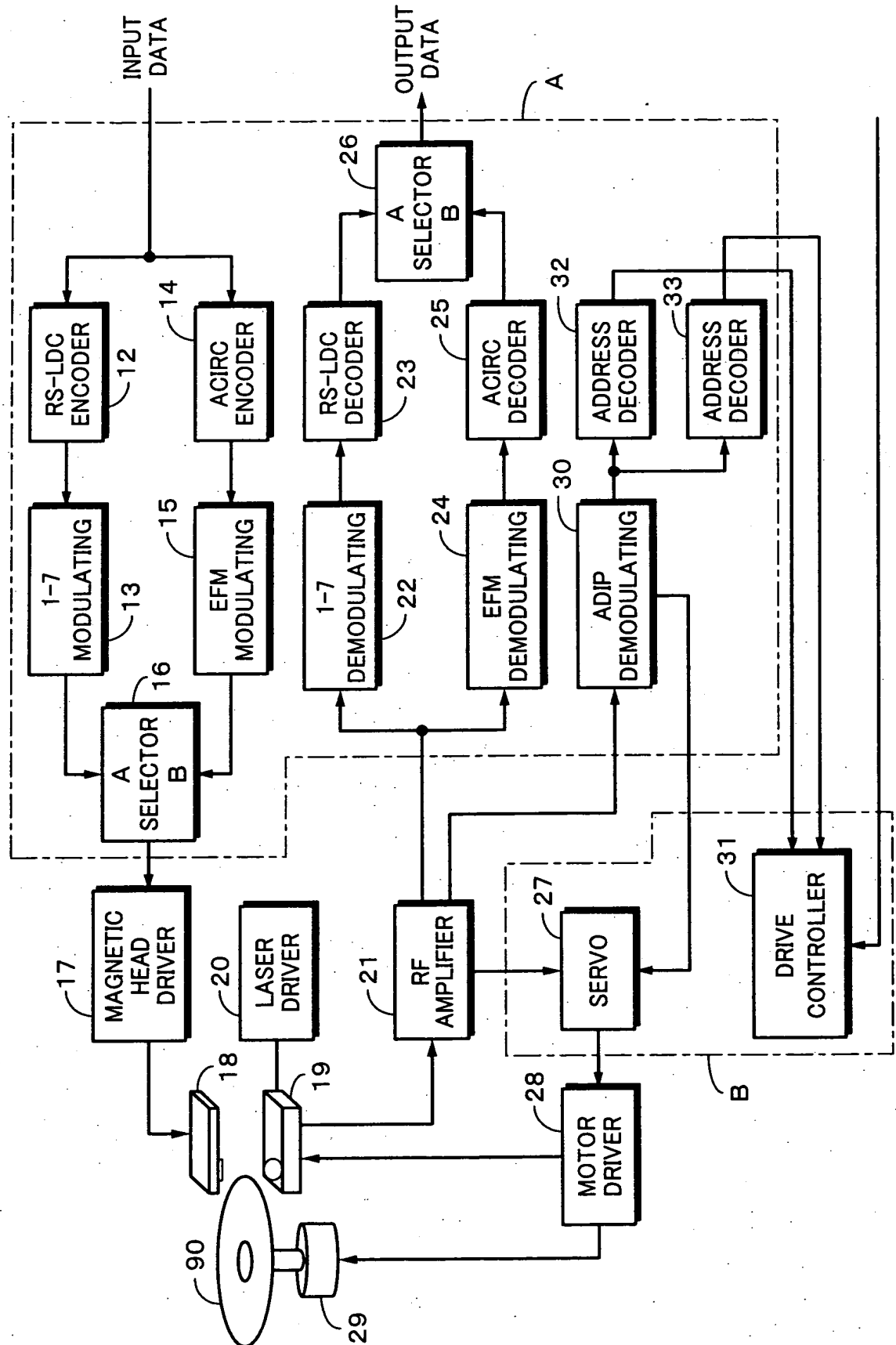
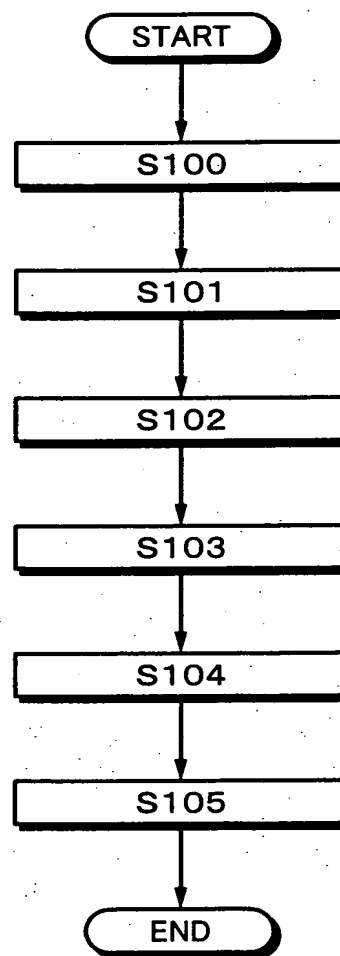
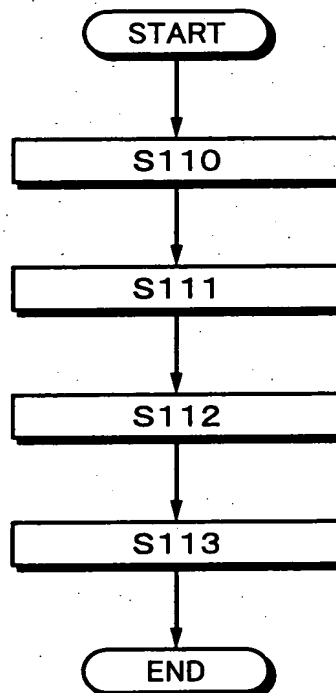


Fig. 19

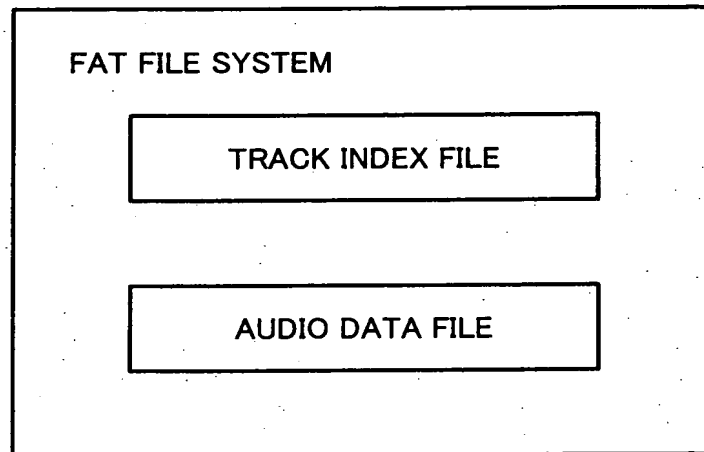
604 920253

Fig. 20



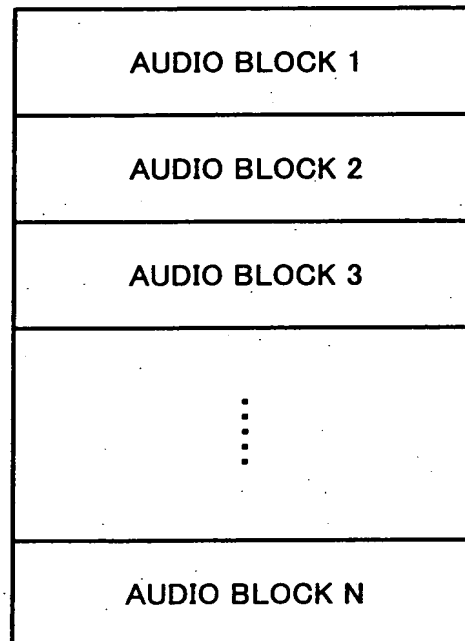
10/520000

Fig. 21



10/520253

Fig. 22



10/520253

Fig. 23

PLAY ORDER TABLE
PROGRAMMED PLAY ORDER TABLE
GROUP INFORMATION TABLE
TRACK INFORMATION TABLE
PART INFORMATION TABLE
NAME TABLE

10/520253

Fig. 24

TINF1
TINF2
TINF3
⋮
TINF _n

10/52061

Fig. 25

PINF1
PINF2
PINF3
⋮
PINF _n

334520053

Fig. 26A

GROUP DESCRIPTOR 0
GROUP DESCRIPTOR 1
GROUP DESCRIPTOR 2
⋮
GROUP DESCRIPTOR N

Fig. 26B

START TRACK NUMBER	END TRACK NUMBER	GROUP NAME	FLAG
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10/520253

Fig. 27A

TRACK DESCRIPTOR 0
TRACK DESCRIPTOR 1
TRACK DESCRIPTOR 2
⋮
TRACK DESCRIPTOR N

Fig. 27B

ENCODING SYSTEM		
COPYRIGHT MANAGEMENT INFORMATION	KEY INFORMATION	
	PART NUMBER	ARTIST NAME
		TITLE
ORIGINAL SONG ORDER	RECORD DURATION	

10/520253

Fig. 28A

PART DESCRIPTOR 0
PART DESCRIPTOR 1
PART DESCRIPTOR 2
⋮
PART DESCRIPTOR N

Fig. 28B

PART START ADDRESS	PART END ADDRESS	LINK
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Fig. 29A

NAME SLOT 0
NAME SLOT 1
NAME SLOT 2
⋮
NAME SLOT N

Fig. 29B

NAME DATA	NAME TYPE	LINK
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Fig. 30

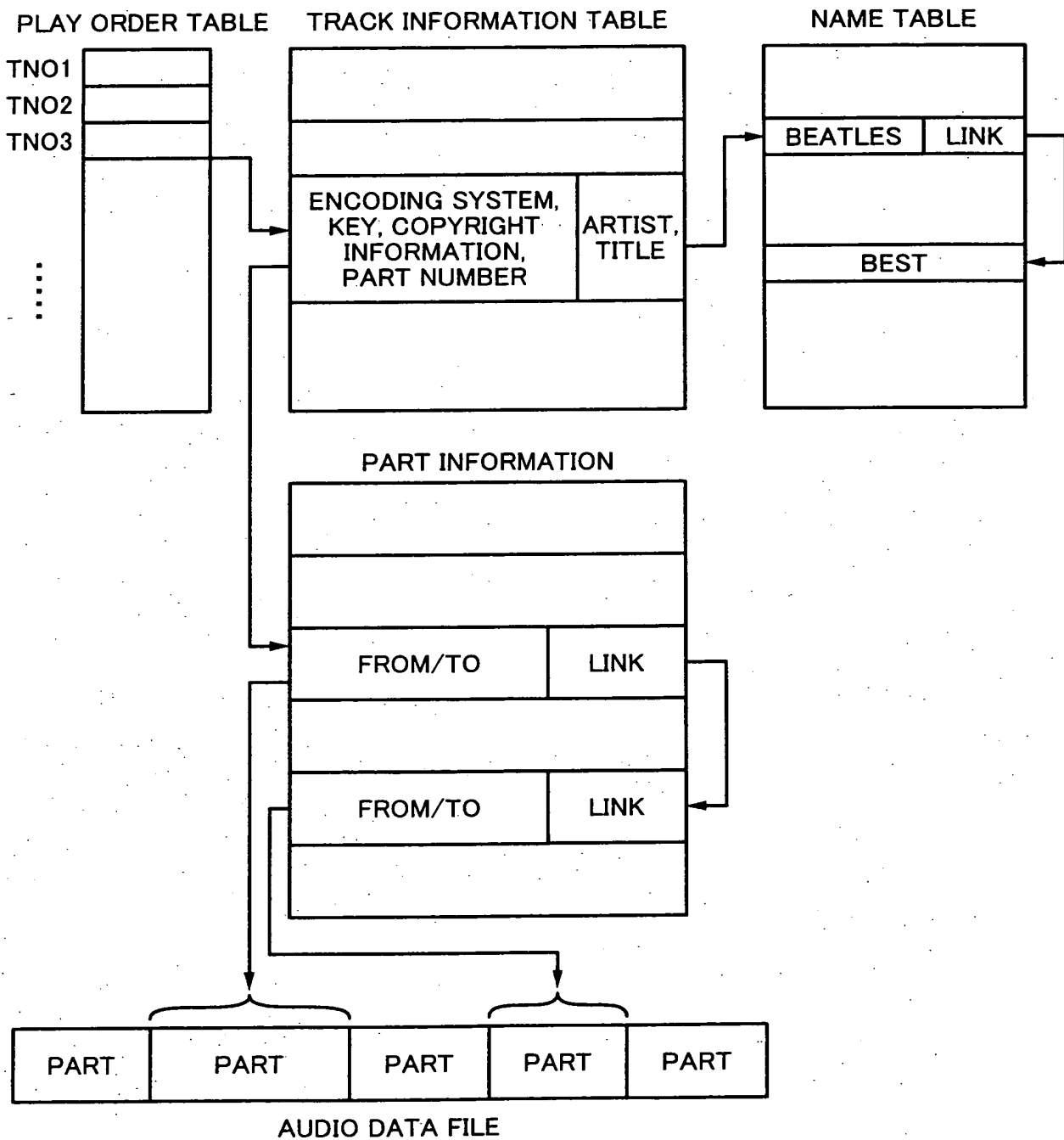
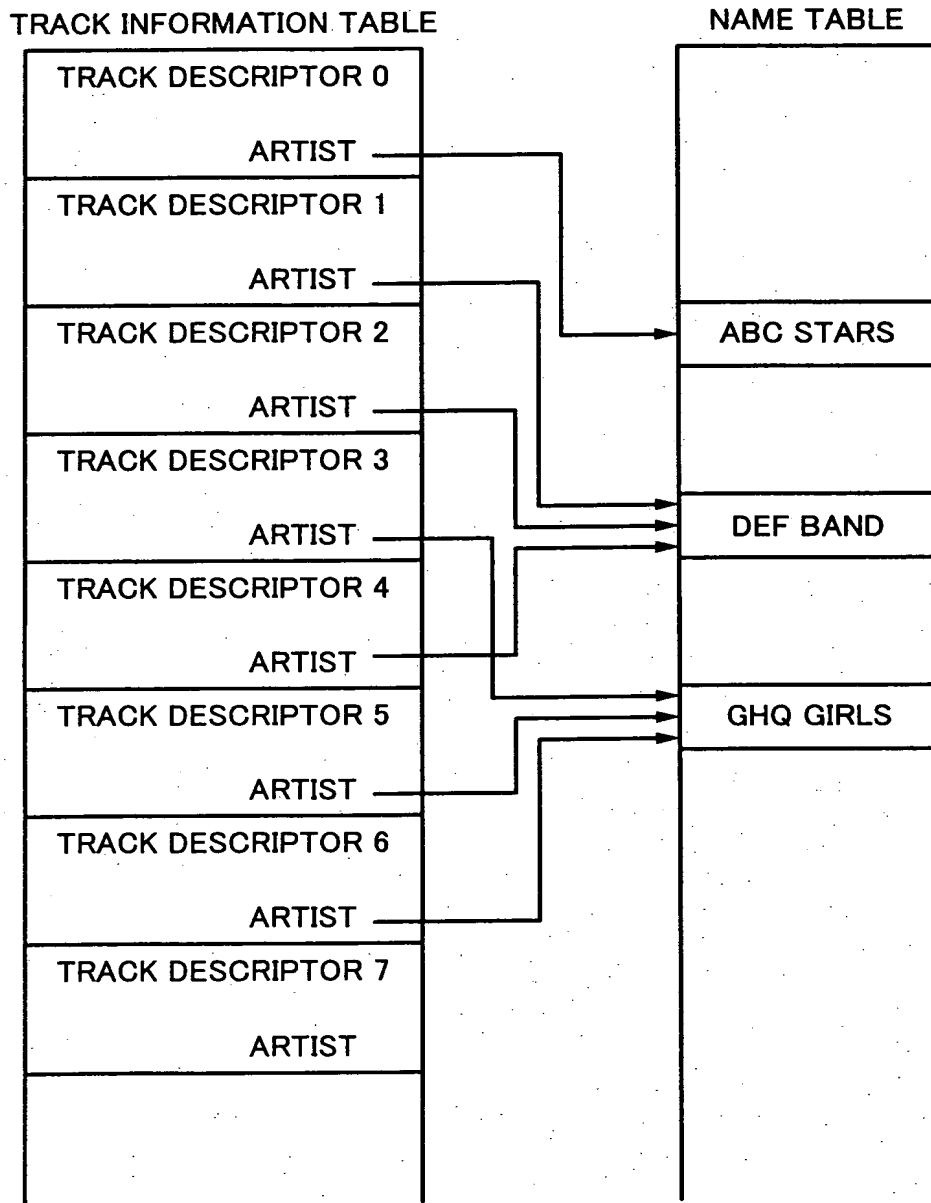


Fig. 31



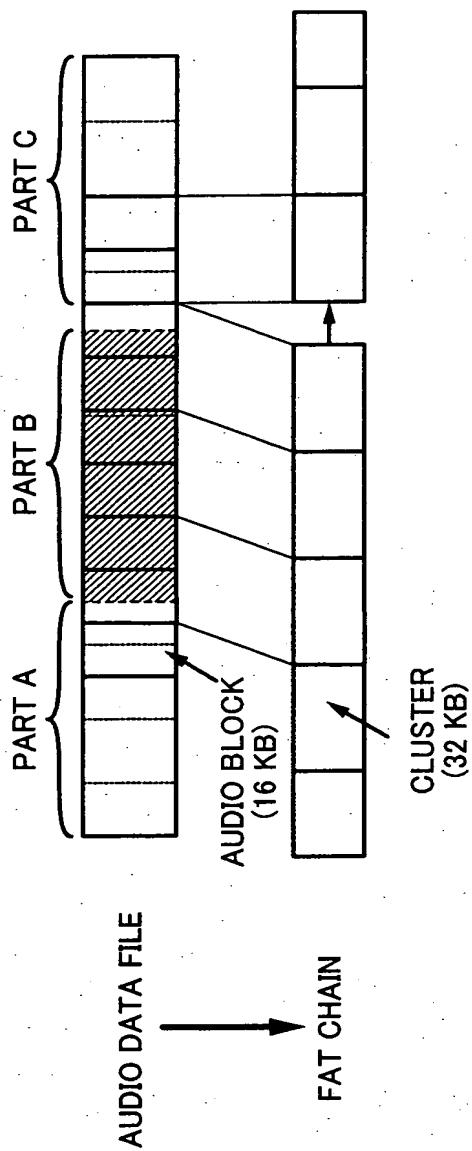


Fig. 32A

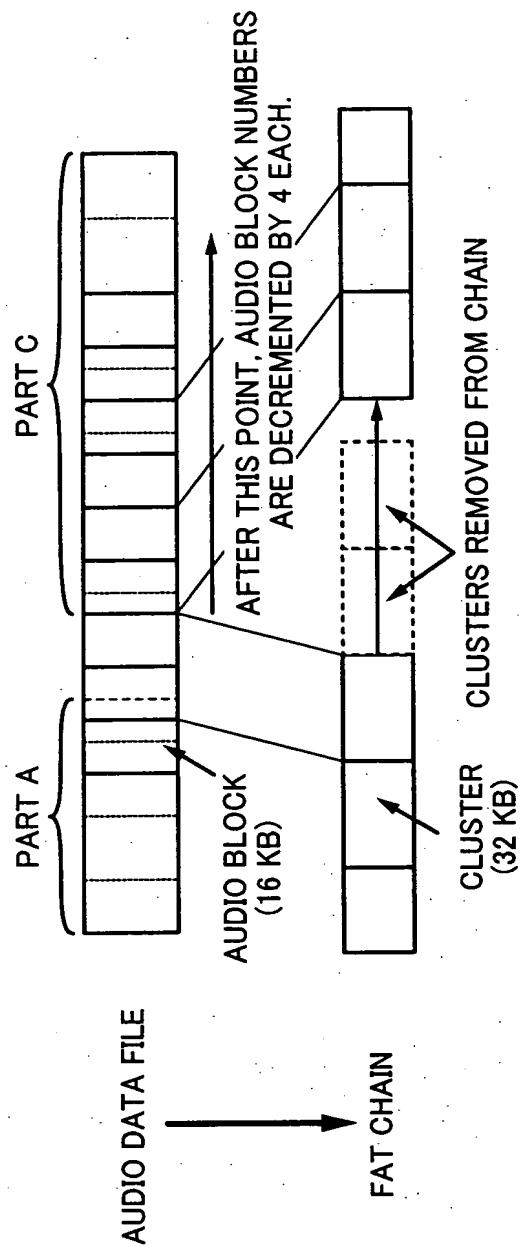
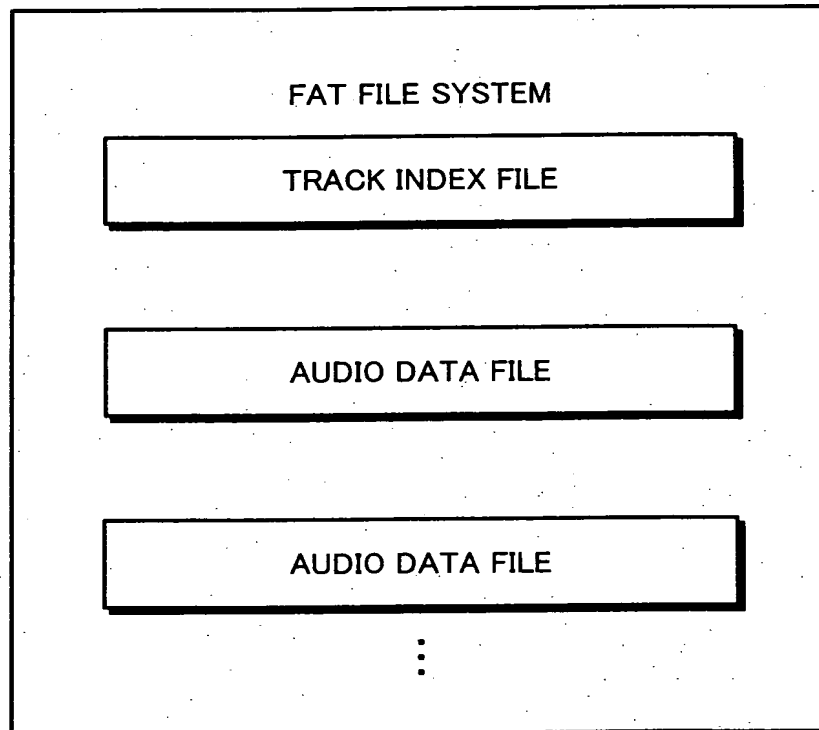


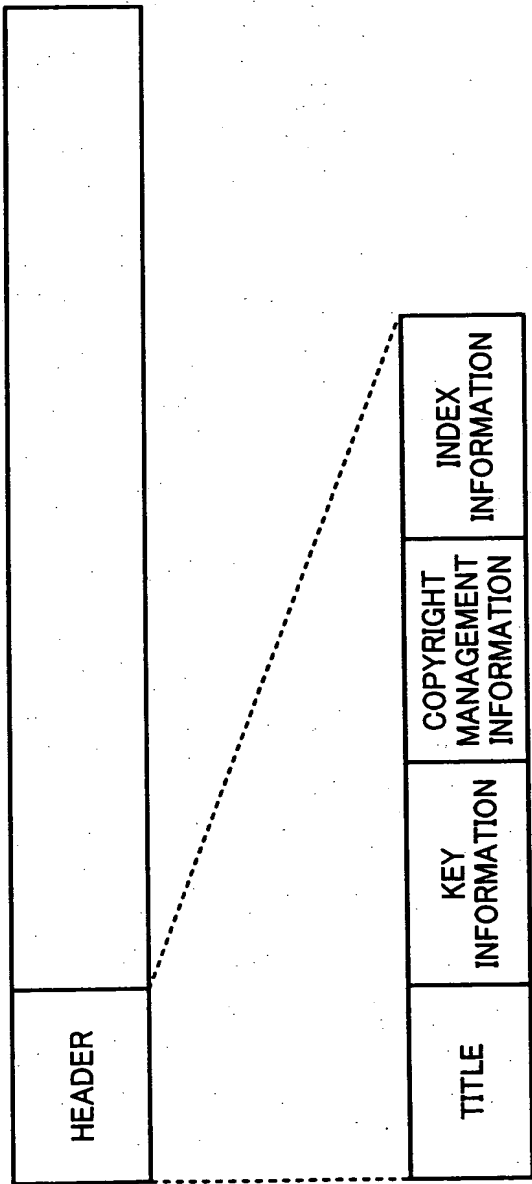
Fig. 32B

Fig. 33



10/520253

Fig. 34



10/520253

Fig. 35

PLAY ORDER TABLE
PROGRAMMED PLAY ORDER TABLE
GROUP INFORMATION TABLE
TRACK INFORMATION TABLE
NAME TABLE

10/520253

Fig. 36

TINF0
TINF1
TINF2
⋮
TINF _n

12/520253

Fig. 37

PINF0
PINF1
PINF2
⋮
PINF _n

2009-152-000

Fig. 38A

GROUP DESCRIPTOR 0
GROUP DESCRIPTOR 1
GROUP DESCRIPTOR 2
⋮
GROUP DESCRIPTOR N

Fig. 38B

START TRACK NUMBER	END TRACK NUMBER	NAME POINTER	FLAG
-----------------------	---------------------	-----------------	------

10/520253

Fig. 39A

TRACK DESCRIPTOR 0
TRACK DESCRIPTOR 1
TRACK DESCRIPTOR 2
TRACK DESCRIPTOR N

Fig. 39B

ENCODING SYSTEM			
AUDIO FILE	INDEX	ARTIST NAME	TITLE
ORIGINAL SONG ORDER		RECORD DURATION	

10/520253

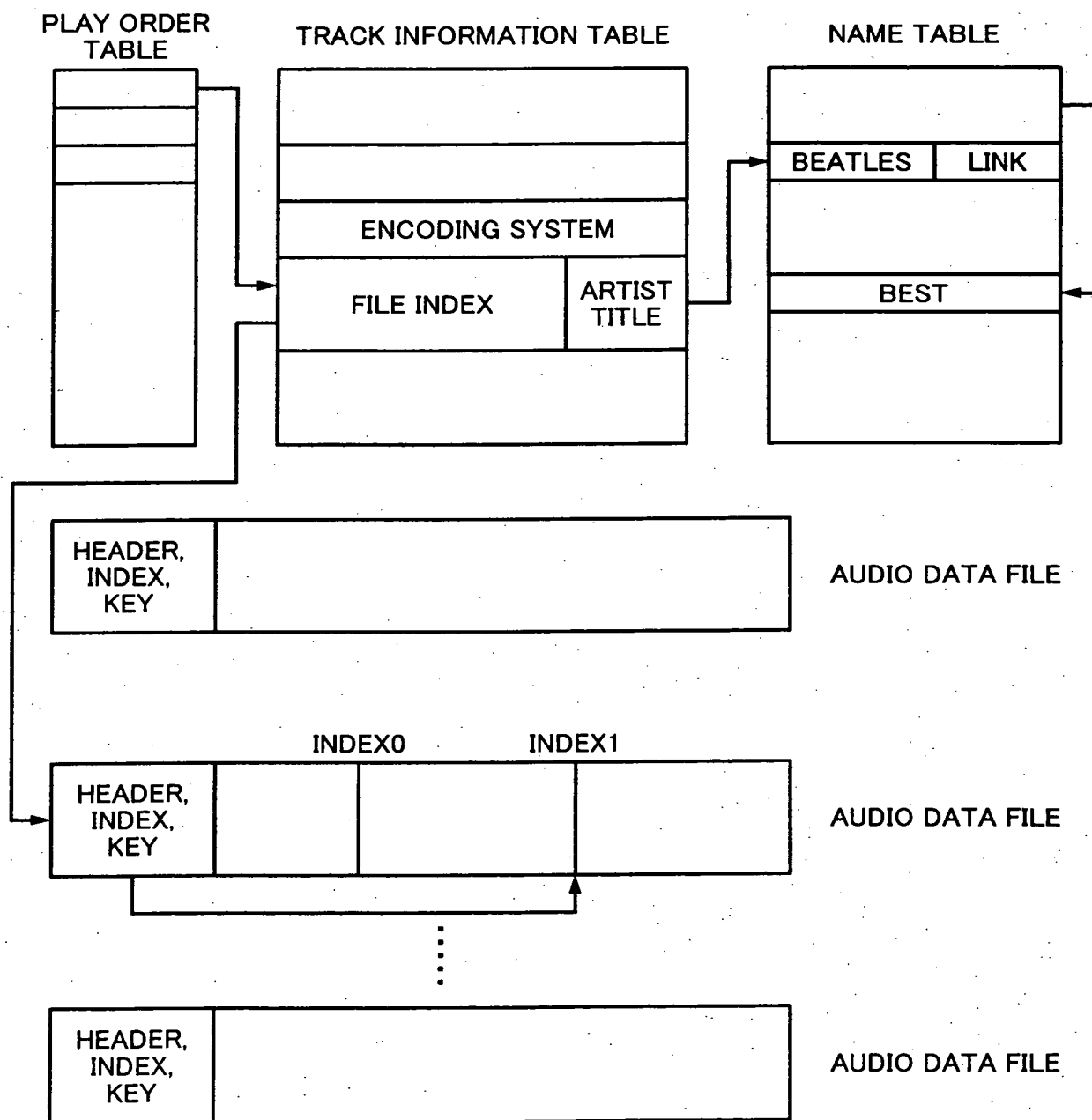
Fig. 40A

NAME SLOT 0
NAME SLOT 1
NAME SLOT 2
⋮
NAME SLOT N

Fig. 40B

NAME DATA	NAME TYPE	LINK
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Fig. 41



10/520253

Fig. 42

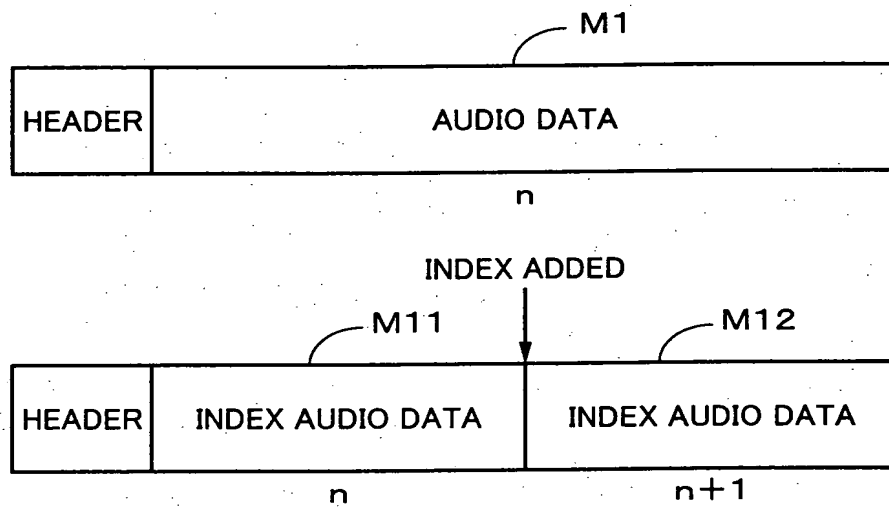
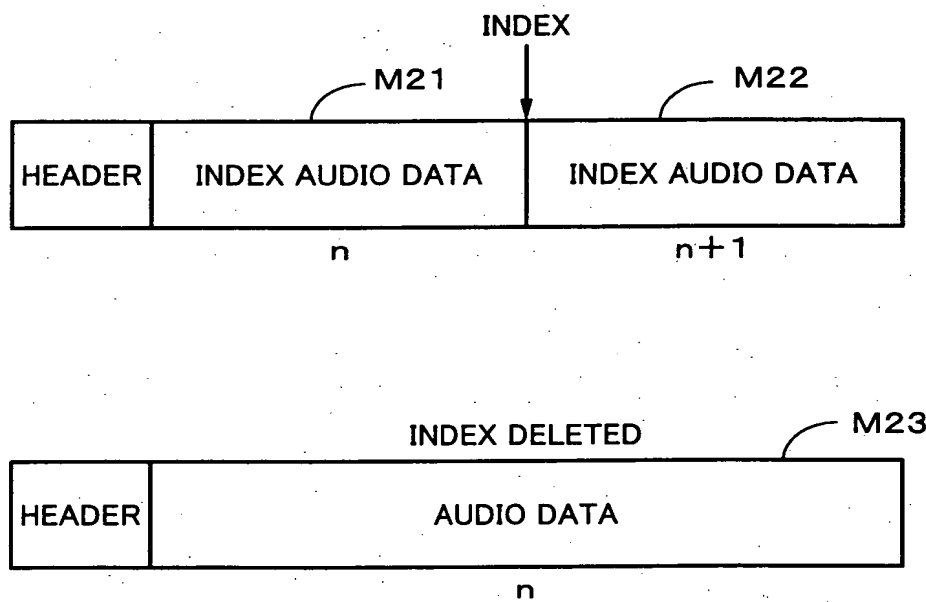
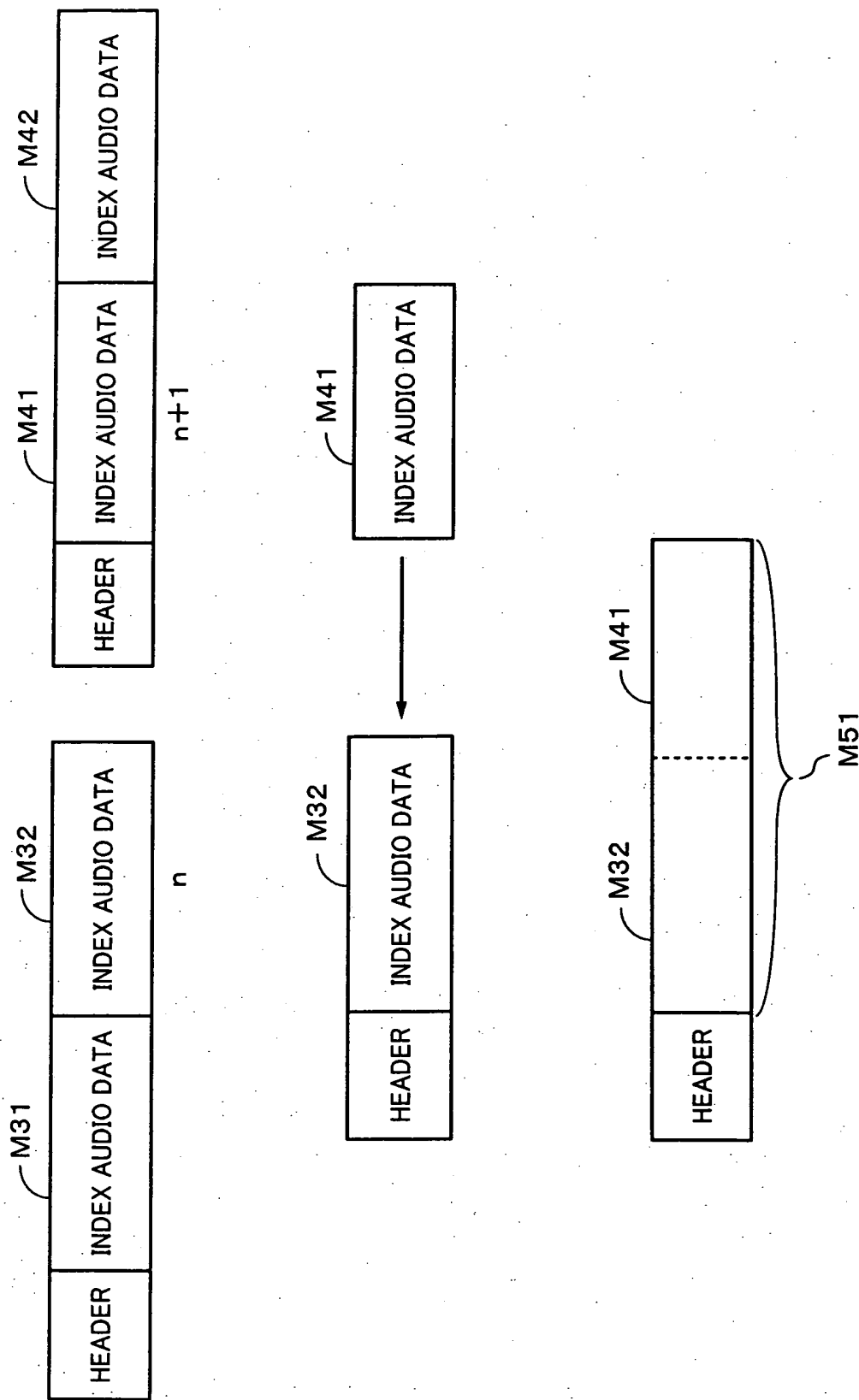


Fig. 43



10/520253

Fig. 44



10/520253

Fig. 45A

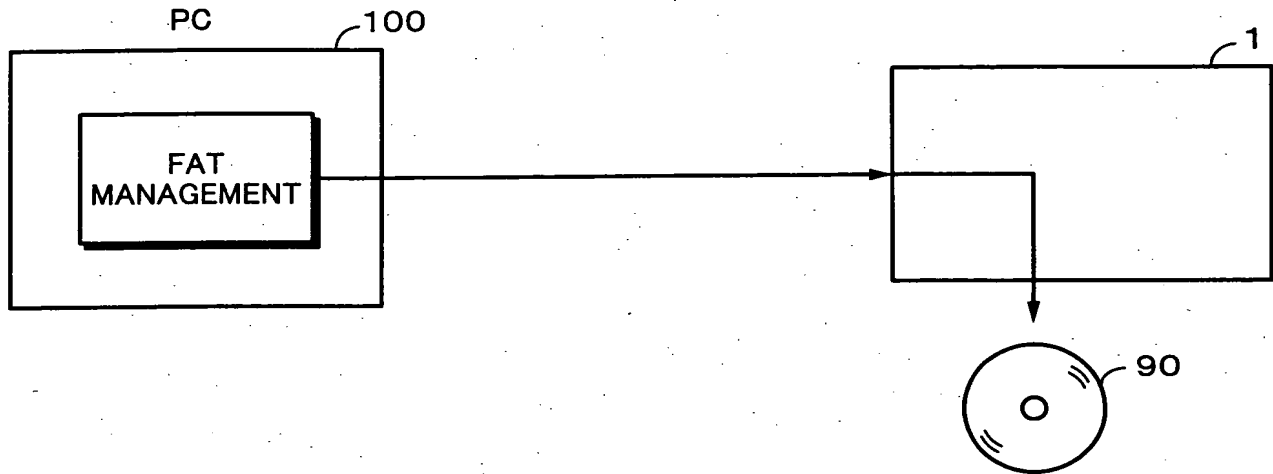
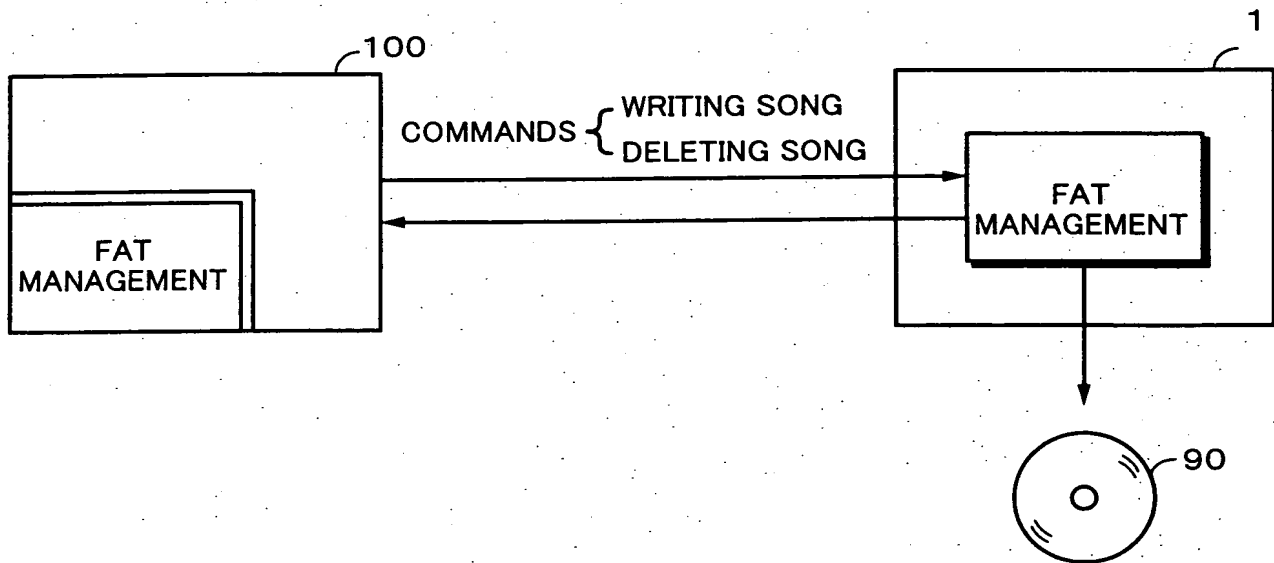
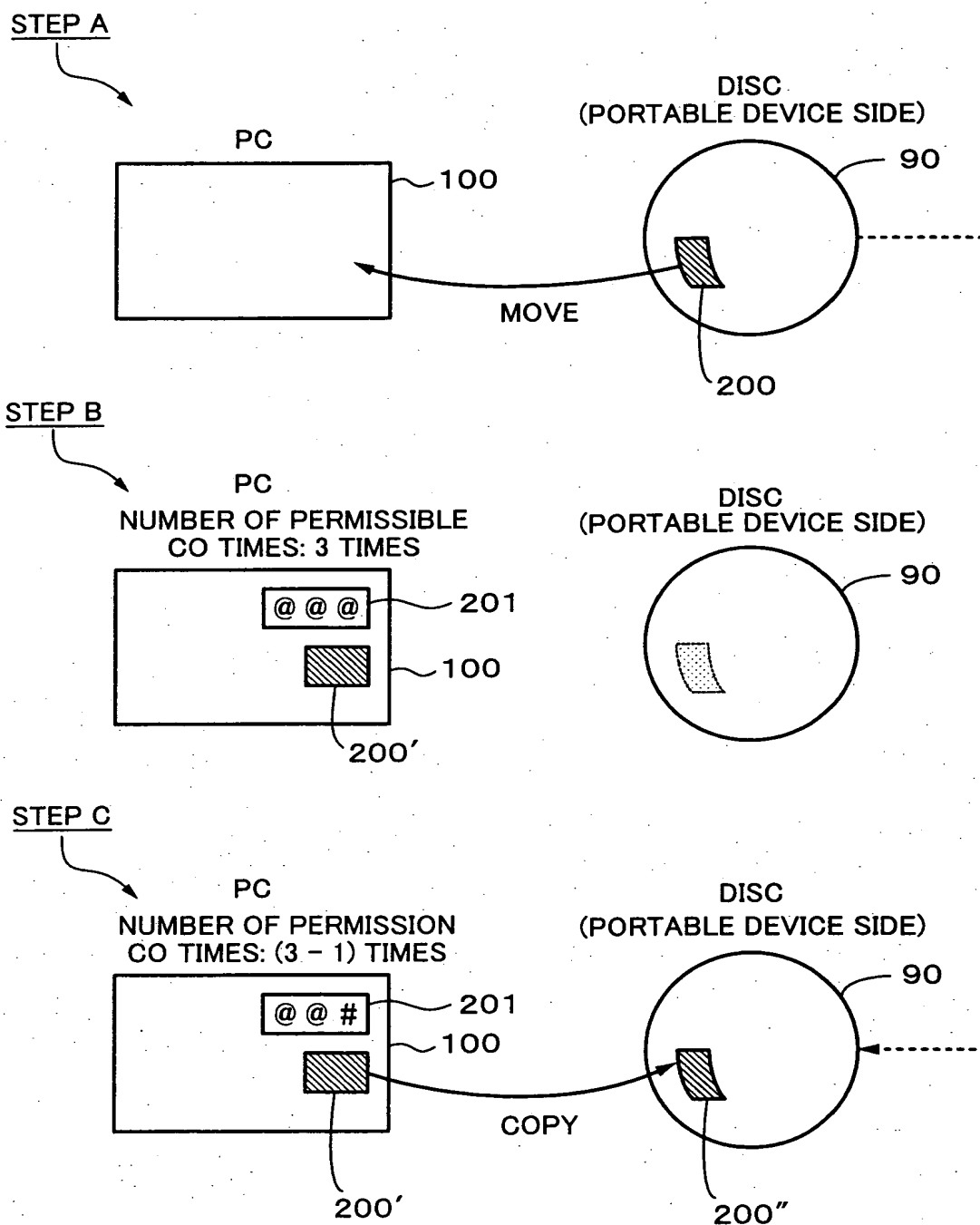


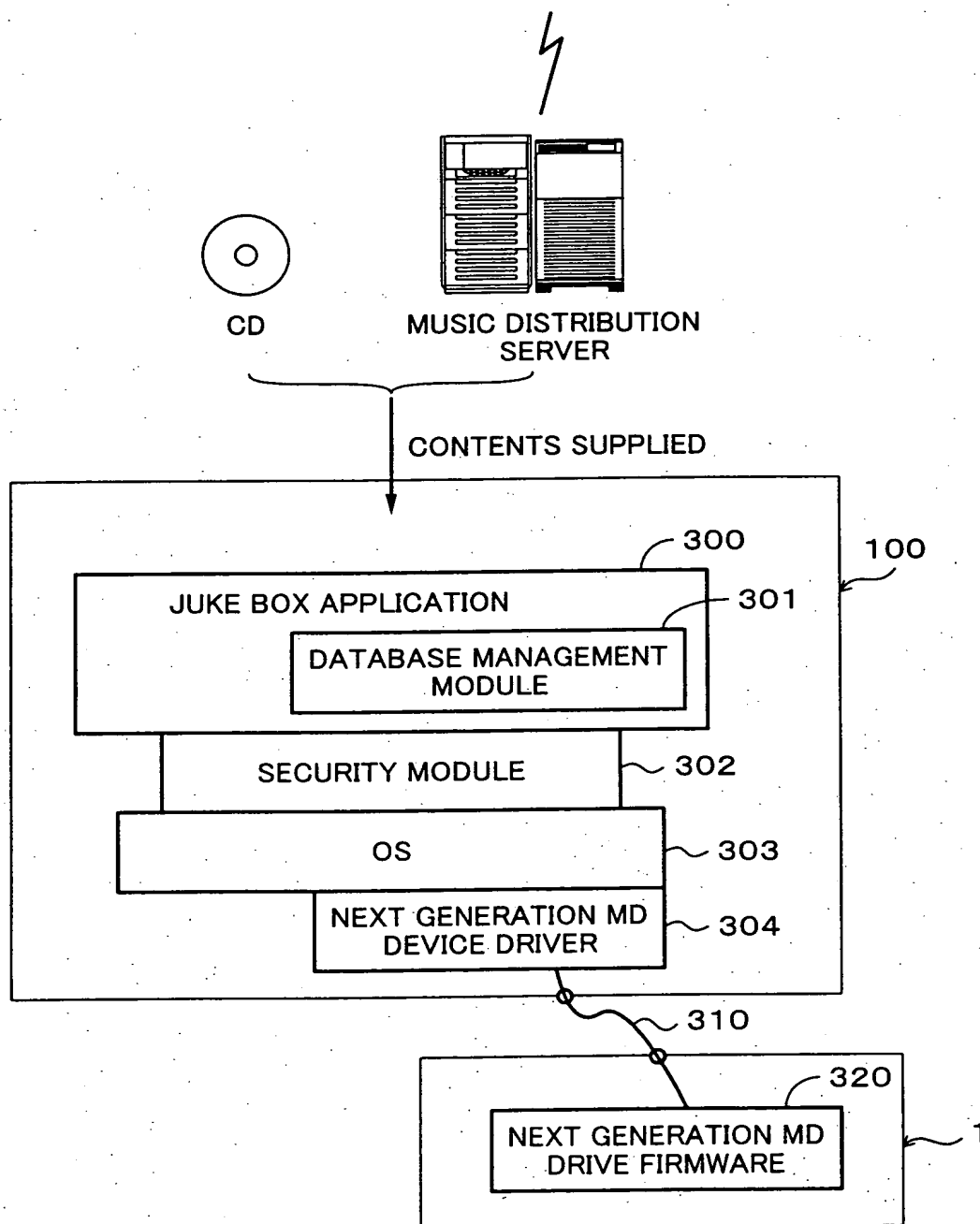
Fig. 45B



10/520253

Fig. 46

10/520255

Fig. 47

801522252

Fig. 48A

DISC ID	GROUP NAME	DISC CAPACITY	RESERVATION INFORMATION
AAAAA	EEEE	aaaaa	IIII
BBBBB	FFFF	bbbbb	JJJJJ
CCCCC	GGGGG	ccccc	KKKKK
DDDDD	HHHHH	ddddd	LLLLL

Fig. 48B

CONTENT ID	DISC ID	SIZE	NUMBER OF PERMISSIBLE CO TIMES
NNNNN	AAAAA	eeee	3
OOOOO	AAAAA	ffff	2
PPPPP	BBBBB	ggggg	2
QQQQQ	CCCCC	hhhhh	3
RRRRR	CCCCC	iiii	1
SSSSS	DDDDD	jiii	0
TTTTT	BBBBB	kkkkk	2

10/520253

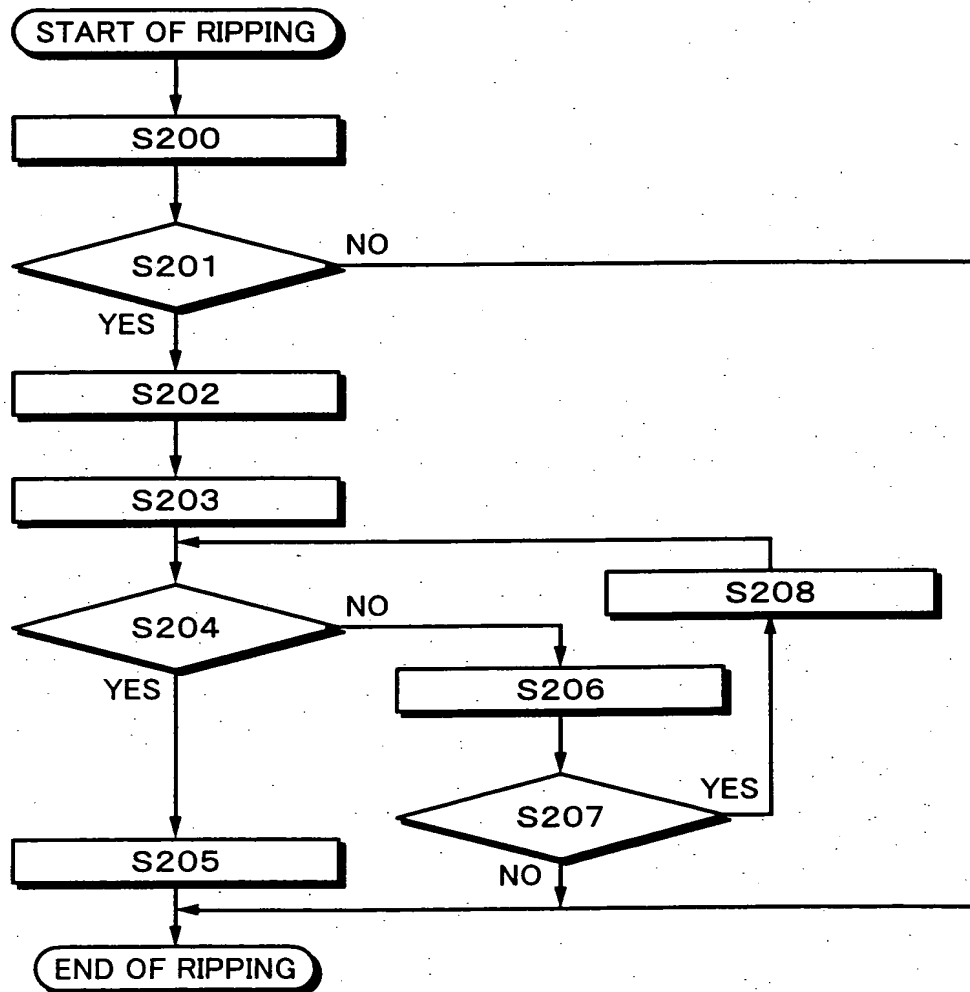
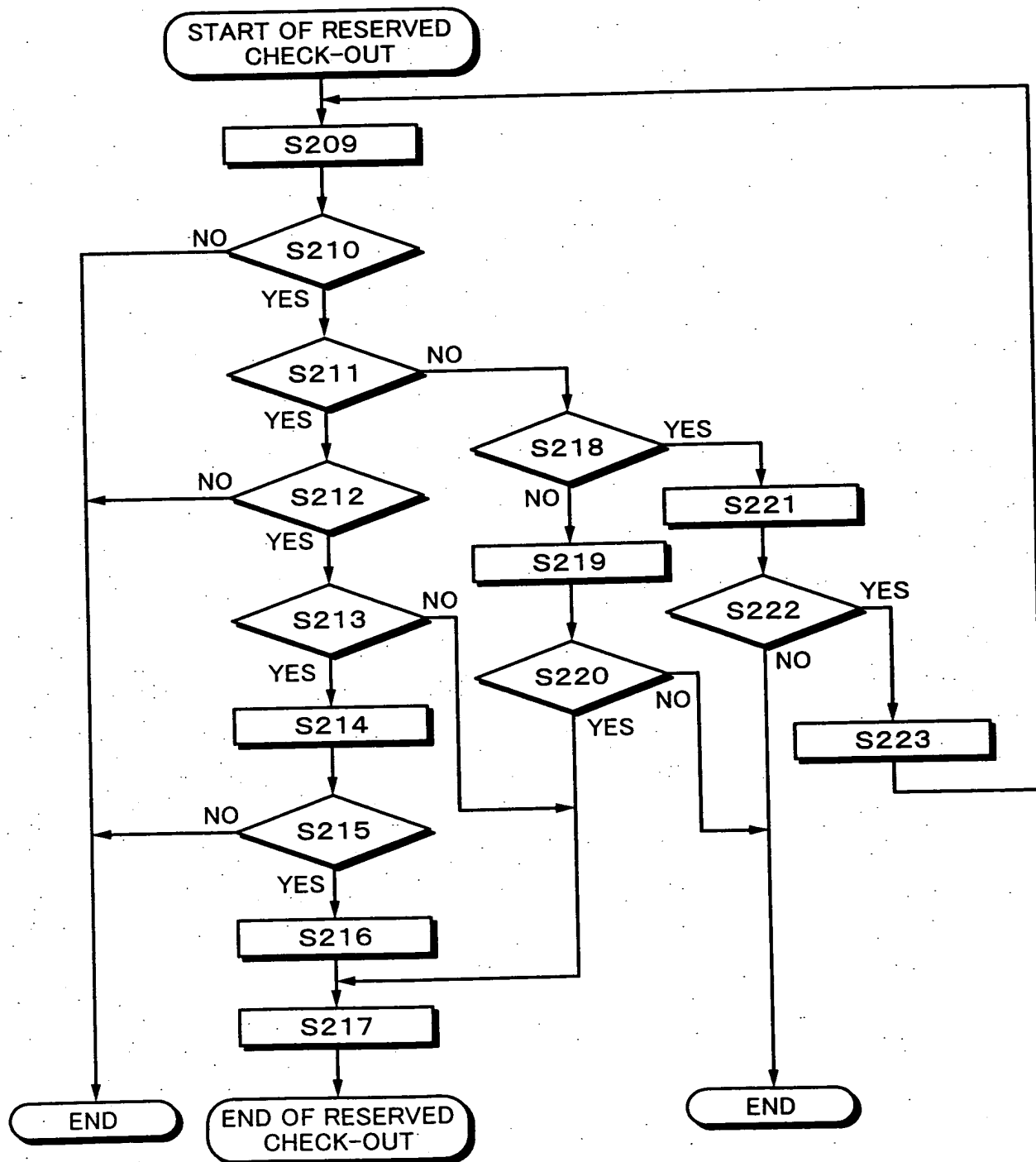
Fig. 49

Fig. 50



DESCRIPTION OF REFERENCE NUMERALS

1	DISC DRIVE DEVICE
2	MEDIUM DRIVE PORTION
3	MEMORY TRANSFER CONTROLLER
4	CLUSTER BUFFER MEMORY
5	AUXILIARY MEMORY
6, 8	USB INTERFACE
7	USB HUB
10	AUDIO PROCESSING PORTION
12	RS-LDC ENCODER
13	1-7 pp MODULATING PORTION
14	ACIRC ENCODER
15	EFM MODULATING PORTION
16	SELECTOR
17	MAGNETIC HEAD DRIVER
18	MAGNETIC HEAD
19	OPTICAL HEAD
22	1-7 DEMODULATING PORTION
23	RS-LDC DECODER
24	EFM DEMODULATING PORTION
25	ACIRC DECODER
26	SELECTOR
30	ADIP DEMODULATING PORTION
32, 33	ADDRESS DECODER
50	SWITCH

90 DISC

100 PERSONAL COMPUTER

300 JUKE BOX APPLICATION

301 DATABASE MANAGEMENT MODULE

302 SECURITY MODULE

S100 CHECK UID.

S101 RECORD UTOC.

S102 RECORD ALERT TRACK.

S103 RECORD DDT.

S104 RECORD UNIQUE ID.

S105 RECORD FAT AND SO FORTH.

S110 CHECK UID.

S112 UNIQUE ID

S111 RECORD DDT.

S113 RECORD FAT AND SO FORTH.

S200 ASK USER WHETHER OR NOT TO RESERVE CHECK-OUT.

S201 WILL USER RESERVE CHECK-OUT ?

S202 ASK DISC ID DATABASE.

S203 DESIGNATE DISC FOR WHICH CHECK-OUT IS RESERVED.

S204 IS REMAINING CAPACITY SUFFICIENT ?

S205 RESERVE CHECK-OUT.

S206 ASK USER WHETHER OR NOT TO RESERVE CHECK-IN.

S207 WILL USER RESERVE CHECK-IN ?

S208 RESERVE CHECK-IN.

S209 ASK WHETHER OR NOT TO PERFORM CHECK-OUT.

10/5207

- S210 WILL USER PERFORM CHECK-OUT ?
- S211 HAS DISC ID OF DISK LOADED INTO FD BEEN REGISTERED IN DISC ID
DATABASE ?
- S212 DOES ID OF DISC LOADED IN PD MATCH ID OF RESERVED DISC ?
- S213 HAS CHECK-IN BEEN RESERVED ?
- S214 ASK WHETHER OR NOT TO PERFORM CHECK-IN.
- S215 WILL USER PERFORM CHECK-IN ?
- S216 PERFORM CHECK-IN.
- S217 PERFORM CHECK-OUT.
- S218 DOES DISC LOADED IN PD CONTAIN SONG ?
- S219 DETERMINE THAT DISC IS BLANK DISC AND REGISTER INFORMATION
THEREABOUT TO DATABASE.
- S220 HAS CHECK-OUT FOR NEW DISC BEEN RESERVED ?
- S221 DETERMINE THAT DISC IS NON-REGISTERED DISC AND ASK WHETHER OR
NOT TO REGISTER DISC.
- S222 WILL USER REGISTER DISC ID ?
- S223 REGISTER NON-REGISTERED DISC.